

Erinna F Lee

List of Publications by Year in descending order

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68
papers

10,743
citations

87888

38
h-index

98798

67
g-index

72
all docs

72
docs citations

72
times ranked

19743
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Apoptosis Initiated When BH3 Ligands Engage Multiple Bcl-2 Homologs, Not Bax or Bak. <i>Science</i> , 2007, 315, 856-859.	12.6	1,021
3	Bax Crystal Structures Reveal How BH3 Domains Activate Bax and Nucleate Its Oligomerization to Induce Apoptosis. <i>Cell</i> , 2013, 152, 519-531.	28.9	491
4	Structural insights into the degradation of Mcl-1 induced by BH3 domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6217-6222.	7.1	397
5	Anti-apoptotic Mcl-1 is essential for the development and sustained growth of acute myeloid leukemia. <i>Genes and Development</i> , 2012, 26, 120-125.	5.9	344
6	Crystal structure of ABT-737 complexed with Bcl-xL: implications for selectivity of antagonists of the Bcl-2 family. <i>Cell Death and Differentiation</i> , 2007, 14, 1711-1713.	11.2	235
7	TRAF2 Must Bind to Cellular Inhibitors of Apoptosis for Tumor Necrosis Factor (TNF) to Efficiently Activate NF- κ B and to Prevent TNF-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2009, 284, 35906-35915.	3.4	202
8	Structure of the BH3 Domains from the p53-Inducible BH3-Only Proteins Noxa and Puma in Complex with Mcl-1. <i>Journal of Molecular Biology</i> , 2008, 380, 958-971.	4.2	178
9	Bcl-2, Bcl-xL, and Bcl-w are not equivalent targets of ABT-737 and navitoclax (ABT-263) in lymphoid and leukemic cells. <i>Blood</i> , 2012, 119, 5807-5816.	1.4	168
10	The role of BH3-only protein Bim extends beyond inhibiting Bcl-2-like prosurvival proteins. <i>Journal of Cell Biology</i> , 2009, 186, 355-362.	5.2	164
11	Apoptosis is triggered when prosurvival Bcl-2 proteins cannot restrain Bax. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18081-18087.	7.1	162
12	A novel BH3 ligand that selectively targets Mcl-1 reveals that apoptosis can proceed without Mcl-1 degradation. <i>Journal of Cell Biology</i> , 2008, 180, 341-355.	5.2	157
13	Targeting of MCL-1 kills MYC-driven mouse and human lymphomas even when they bear mutations in <i>p53</i> . <i>Genes and Development</i> , 2014, 28, 58-70.	5.9	156
14	Evaluation of Diverse β -Backbone Patterns for Functional α -Helix Mimicry: Analogues of the Bim BH3 Domain. <i>Journal of the American Chemical Society</i> , 2012, 134, 315-323.	13.7	144
15	High-Resolution Structural Characterization of a Helical β -Peptide Foldamer Bound to the Anti-Apoptotic Protein Bcl-xL. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4318-4322.	13.8	143
16	A Structural Viral Mimic of Prosurvival Bcl-2: Pivotal Role for Sequestering Proapoptotic Bax and Bak. <i>Molecular Cell</i> , 2007, 25, 933-942.	9.7	125
17	BCL-XL and MCL-1 are the key BCL-2 family proteins in melanoma cell survival. <i>Cell Death and Disease</i> , 2019, 10, 342.	6.3	125
18	Binding Hot Spot for Invasion Inhibitory Molecules on Plasmodium falciparum Apical Membrane Antigen 1. <i>Infection and Immunity</i> , 2005, 73, 6981-6989.	2.2	102

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19	Î±/Î²-Peptide Foldamers Targeting Intracellular Proteinâ€‘Protein Interactions with Activity in Living Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 11365-11375.	13.7	101
20	Mutation to Bax beyond the BH3 Domain Disrupts Interactions with Pro-survival Proteins and Promotes Apoptosis. <i>Journal of Biological Chemistry</i> , 2011, 286, 7123-7131.	3.4	96
21	The BH3 mimetic compound, ABT-737, synergizes with a range of cytotoxic chemotherapy agents in chronic lymphocytic leukemia. <i>Leukemia</i> , 2009, 23, 2034-2041.	7.2	91
22	Conformational Changes in Bcl-2 Pro-survival Proteins Determine Their Capacity to Bind Ligands. <i>Journal of Biological Chemistry</i> , 2009, 284, 30508-30517.	3.4	79
23	Bcl-2 chimeras indicate that most BH3-only proteins can directly activate Bak and Bax, and show no preference for Bak versus Bax. <i>Cell Death and Disease</i> , 2015, 6, e1735-e1735.	6.3	76
24	Structureâ€‘Guided Rational Design of Î±/Î²-Peptide Foldamers with High Affinity for BCL-2 Family Prosurvival Proteins. <i>ChemBioChem</i> , 2013, 14, 1564-1572.	2.6	65
25	Computationally designed high specificity inhibitors delineate the roles of BCL2 family proteins in cancer. <i>ELife</i> , 2016, 5, .	6.0	65
26	Discovery of Potent and Selective Benzothiazole Hydrazone Inhibitors of Bcl-X_L. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5514-5540.	6.4	60
27	MCL-1 inhibition provides a new way to suppress breast cancer metastasis and increase sensitivity to dasatinib. <i>Breast Cancer Research</i> , 2016, 18, 125.	5.0	60
28	Conversion of Bim-BH3 from Activator to Inhibitor of Bak through Structure-Based Design. <i>Molecular Cell</i> , 2017, 68, 659-672.e9.	9.7	57
29	BECLIN1: Protein Structure, Function and Regulation. <i>Cells</i> , 2021, 10, 1522.	4.1	57
30	Structural Basis of Bcl-X_L Recognition by a BH3â€‘Mimetic Î±/Î²-Peptide Generated by Sequenceâ€‘Based Design. <i>ChemBioChem</i> , 2011, 12, 2025-2032.	2.6	56
31	Structural Basis for Tetrodotoxin-resistant Sodium Channel Binding by Î¼-Conotoxin SmIIIA. <i>Journal of Biological Chemistry</i> , 2003, 278, 46805-46813.	3.4	54
32	Discovery and molecular characterization of a Bcl-2â€‘regulated cell death pathway in schistosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6999-7003.	7.1	53
33	Crosstalk between apoptosis and autophagy signaling pathways. <i>International Review of Cell and Molecular Biology</i> , 2020, 352, 115-158.	3.2	51
34	ATF3 Repression of BCL-XL Determines Apoptotic Sensitivity to HDAC Inhibitors across Tumor Types. <i>Clinical Cancer Research</i> , 2017, 23, 5573-5584.	7.0	46
35	Mcl-1 and Bcl-xL sequestration of Bak confers differential resistance to BH3-only proteins. <i>Cell Death and Differentiation</i> , 2018, 25, 721-734.	11.2	44
36	The Structural Biology of Bcl-xL. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2234.	4.1	44

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37	Prosurvival Bcl-2 family members reveal a distinct apoptotic identity between conventional and plasmacytoid dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4044-4049.	7.1	43
38	Residue-Based Preorganization of BH3-Derived $\hat{\pm}/\hat{2}$ -Peptides: Modulating Affinity, Selectivity and Proteolytic Susceptibility in $\hat{\pm}$ -Helix Mimics. <i>ACS Chemical Biology</i> , 2015, 10, 1667-1675.	3.4	40
39	Physiological restraint of Bak by Bcl-x_L is essential for cell survival. <i>Genes and Development</i> , 2016, 30, 1240-1250.	5.9	40
40	Structural insights into BCL2 pro-survival protein interactions with the key autophagy regulator BECN1 following phosphorylation by STK4/MST1. <i>Autophagy</i> , 2019, 15, 785-795.	9.1	38
41	The Functional Differences between Pro-survival and Pro-apoptotic B Cell Lymphoma 2 (Bcl-2) Proteins Depend on Structural Differences in Their Bcl-2 Homology 3 (BH3) Domains. <i>Journal of Biological Chemistry</i> , 2014, 289, 36001-36017.	3.4	33
42	Apoptosis in schistosomes: toward novel targets for the treatment of schistosomiasis. <i>Trends in Parasitology</i> , 2014, 30, 75-84.	3.3	33
43	Affinity Maturation of Leukemia Inhibitory Factor and Conversion to Potent Antagonists of Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 2125-2134.	3.4	30
44	A small molecule interacts with VDAC2 to block mouse BAK-driven apoptosis. <i>Nature Chemical Biology</i> , 2019, 15, 1057-1066.	8.0	30
45	Novel Bcl-2 Homology-3 Domain-like Sequences Identified from Screening Randomized Peptide Libraries for Inhibitors of the Pro-survival Bcl-2 Proteins. <i>Journal of Biological Chemistry</i> , 2009, 284, 31315-31326.	3.4	29
46	Crystal Structure of a BCL-W Domain-Swapped Dimer: Implications for the Function of BCL-2 Family Proteins. <i>Structure</i> , 2011, 19, 1467-1476.	3.3	25
47	Hepatocyte growth factor renders BRAF mutant human melanoma cell lines resistant to PLX4032 by downregulating the pro-apoptotic BH3-only proteins PUMA and BIM. <i>Cell Death and Differentiation</i> , 2016, 23, 2054-2062.	11.2	24
48	A novel BH3-mimetic, AZD0466, targeting BCL-XL and BCL-2 is effective in pre-clinical models of malignant pleural mesothelioma. <i>Cell Death Discovery</i> , 2021, 7, 122.	4.7	23
49	Functional genomics approaches in parasitic helminths. <i>Parasite Immunology</i> , 2012, 34, 163-182.	1.5	21
50	The BECN1 \hat{N} -terminal domain is intrinsically disordered. <i>Autophagy</i> , 2016, 12, 460-471.	9.1	21
51	Co-Operativity between MYC and BCL-2 Pro-Survival Proteins in Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2841.	4.1	17
52	BAX-BAK1-independent LC3B lipidation by BH3 mimetics is unrelated to BH3 mimetic activity and has only minimal effects on autophagic flux. <i>Autophagy</i> , 2016, 12, 1083-1093.	9.1	16
53	BCL-XL is an actionable target for treatment of malignant pleural mesothelioma. <i>Cell Death Discovery</i> , 2020, 6, 114.	4.7	13
54	Peptide inhibitors of the malaria surface protein, apical membrane antigen 1: Identification of key binding residues. <i>Biopolymers</i> , 2011, 95, 354-364.	2.4	12

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55	Direct visualization of Bcl-2 family protein interactions using live cell fluorescent protein redistribution assays. <i>Cell Death and Disease</i> , 2012, 3, e288-e288.	6.3	11
56	Targeting the BCL-2-regulated apoptotic pathway for the treatment of solid cancers. <i>Biochemical Society Transactions</i> , 2021, 49, 2397-2410.	3.4	11
57	EGL-1 BH3 mutants reveal the importance of protein levels and target affinity for cell-killing potency. <i>Cell Death and Differentiation</i> , 2008, 15, 1609-1618.	11.2	10
58	Repurposing apoptosis-inducing cancer drugs to treat schistosomiasis. <i>Future Medicinal Chemistry</i> , 2015, 7, 707-711.	2.3	10
59	The role of BCL-2 family proteins and therapeutic potential of BH3-mimetics in malignant pleural mesothelioma. <i>Expert Review of Anticancer Therapy</i> , 2021, 21, 413-424.	2.4	9
60	Discovery, development and application of drugs targeting BCL-2 pro-survival proteins in cancer. <i>Biochemical Society Transactions</i> , 2021, 49, 2381-2395.	3.4	9
61	Influenza A virus infection-induced macroautophagy facilitates MHC class II-restricted endogenous presentation of an immunodominant viral epitope. <i>FEBS Journal</i> , 2021, 288, 3164-3185.	4.7	6
62	Characterisation of the conformational preference and dynamics of the intrinsically disordered N-terminal region of Beclin 1 by NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 1128-1137.	2.3	5
63	Diversity in the intrinsic apoptosis pathway of nematodes. <i>Communications Biology</i> , 2020, 3, 478.	4.4	4
64	STRUCTURAL BIOLOGY OF THE INTRINSIC CELL DEATH PATHWAY: WHAT DO WE KNOW AND WHAT IS MISSING?. <i>Computational and Structural Biotechnology Journal</i> , 2012, 1, e201204007.	4.1	3
65	Optimization of Benzothiazole and Thiazole Hydrazones as Inhibitors of Schistosome BCL-2. <i>ACS Infectious Diseases</i> , 2021, 7, 1143-1163.	3.8	3
66	Characterization of a novel human BFL-1-specific monoclonal antibody. <i>Cell Death and Differentiation</i> , 2020, 27, 826-828.	11.2	2
67	A transgenic mouse model to inducibly target prosurvival Bcl2 proteins with selective BH3 peptides in vivo. <i>Cell Death and Disease</i> , 2015, 6, e1679-e1679.	6.3	1
68	The role of BH3-only protein Bim extends beyond inhibiting Bcl-2-like prosurvival proteins. <i>Journal of Experimental Medicine</i> , 2009, 206, i19-i19.	8.5	0